

2012 KENTUCKY ASTHMA PROGRAM FACT SHEET: BIG SANDY AREA DEVELOPMENT DISTRICT

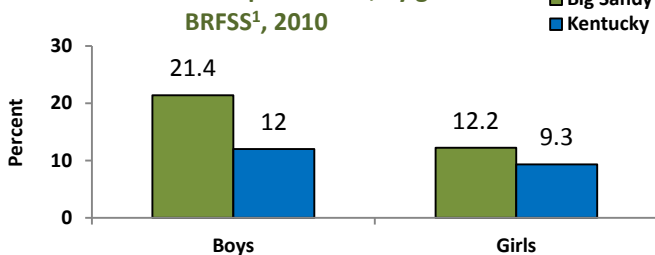
- The Big Sandy District of Kentucky is comprised of 5 counties: Johnson, Magoffin, Martin, Floyd, and Pike.
- The 2011 Big Sandy District population was roughly 157,500. About 35,000 persons were younger than 18 (children), and about 122,500 were 18 or older (adults).



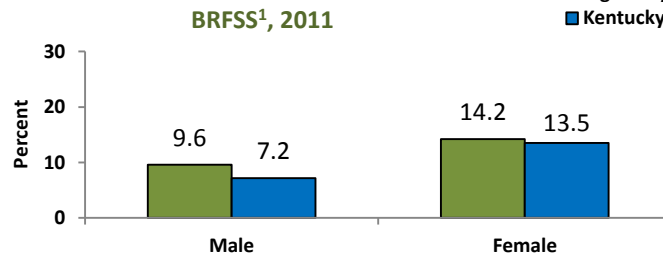
PREVALENCE

- In 2010, an estimated 5,600 children (16.8%) in the Big Sandy District currently had asthma, compared to 10.7% for Kentucky and 8.4% for the United States.¹ In 2011, an estimated 14,500 adults (12.0%) in this district currently had asthma, compared to 10.4% for Kentucky and 9.4% for the United States.¹

Child current asthma prevalence, by gender:



Adult current asthma prevalence, by gender:

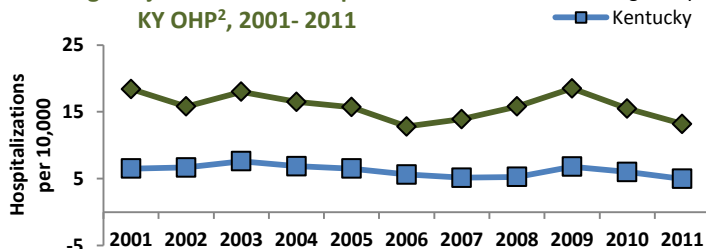


- In 2010, child current asthma prevalence rate was higher in the Big Sandy District compared to Kentucky. In 2011, adult current asthma prevalence rate was higher among females than males in this district. This pattern was similar for Kentucky. (NOTE: BRFSS 2010 data cannot be compared to BRFSS 2011 data because of change in methodology).

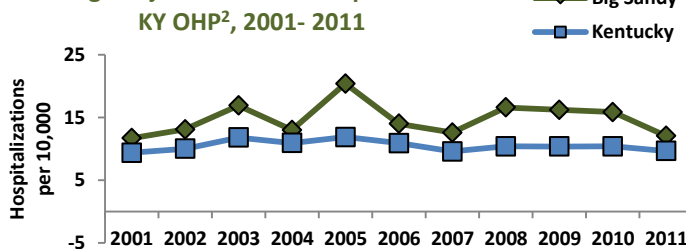
HOSPITALIZATIONS

- In 2011, the age-adjusted hospitalization rate for children in Big Sandy was 13.2/10,000 persons compared to the Kentucky rate of 4.9/10,000 persons; while the age-adjusted hospitalization rate for adults in this district was 12.1/10,000 persons compared to the Kentucky rate of 9.7/10,000 persons.

Child age-adjusted asthma hospitalizations:



Adult age-adjusted asthma hospitalizations:



- Overall, both child and adult asthma hospitalizations have been higher in Big Sandy District as compared to Kentucky, and show a gradual decline since 2009. Between 2001 and 2011, the Big Sandy District averaged 15.3 asthma hospitalizations/10,000 persons/year, while Kentucky averaged 8.3 asthma hospitalizations/10,000 persons/year over the same 11 year period.²

EMERGENCY DEPARTMENT VISITS

- In 2011, the asthma Emergency Department visits for children were 1.2/1,000 persons, compared to the state rate of 1.9/1,000 persons³ and for adults were 2.0/1,000 persons, compared to the state rate of 2.5/1,000 persons.³

MORTALITY

- Between 2001 and 2010, the average age-adjusted asthma deaths were 1.05 /100,000 persons/year in this district compared to 1.10/persons/year for Kentucky.⁴ In 2010, crude asthma death rates for Kentucky were 1.01/100,000 persons⁴ compared to the US crude death rate of 1.1/100,000 persons.⁵

NOTES:

1. Behavioral Risk Factor Surveillance System (BRFSS).

3. OHP: Preliminary data 2011.

5. CDC Wonder data: <http://wonder.cdc.gov/ucd-icd10.html>

2. Kentucky, Office of Health Policy (OHP), 2001-2011.

4. Office of Vital Statistics, Kentucky, 2001-2010.

This fact sheet was supported by the Cooperative Agreement Number 5U59EH000508-04 from the Centers for Disease Control and Prevention (CDC). Its contents are solely the responsibility of the authors and do not necessarily represent the official views of the CDC.

KENTUCKY RESPIRATORY DISEASES ASTHMA PROGRAM

Jan Hatfield, Program Manager; Sue Thomas-Cox, PI; Deepa Valvi, Asthma Epidemiologist
275 E. Main St. * Mail Stop HS2WE * Frankfort, KY 40621 * (502) 564-7996, ext. 4439

Website: www.chfs.ky.gov/Asthma